



SEQUENCE LISTING

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<120> NOVEL RECEPTOR PROTEIN AND METHOD FOR THE DIAGNOSIS OF AN
INFLAMMATORY DISEASE BY USING THE SAME

<130> 8054-1005

<140> 09/786,442

<141> 2001-03-05

<150> JP 10-249752

<151> 1998-09-03

<150> JP 11-070800

<151> 1999-03-16

<150> PCT/JP99/04801

<151> 1999-09-03

<160> 19

<170> PatentIn Ver. 3.2

<210> 1

<211> 1014

<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (1)..(1011)

<400> 1

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Met	Gly	Asn	Asp	Ser	Val	Ser	Tyr	Glu	Tyr	Gly	Asp	Tyr	Ser	Asp	Leu	
1				5				10					15			

tgc	gac	cgc	cct	gtg	gac	tgc	ctg	gat	ggc	gcc	tgc	ctg	gcc	atc	gac	96
Ser	Asp	Arg	Pro	Val	Asp	Cys	Leu	Asp	Gly	Ala	Cys	Leu	Ala	Ile	Asp	
			20					25					30			

ccg	ctg	cgc	gtg	gcc	ccg	ctc	cca	ctg	tat	gcc	gcc	atc	ttc	ctg	gtg	144
Pro	Leu	Arg	Val	Ala	Pro	Leu	Pro	Leu	Tyr	Ala	Ala	Ile	Phe	Leu	Val	
			35					40					45			

ggg	gtg	ccg	ggc	aat	gcc	atg	gtg	gcc	tgg	gtg	gct	ggg	aag	gtg	gcc	192
Gly	Val	Pro	Gly	Asn	Ala	Met	Val	Ala	Trp	Val	Ala	Gly	Lys	Val	Ala	
			50				55				60					

cgc	cgg	agg	gtg	ggg	gcc	acc	tgg	ttg	ctc	cac	ctg	gcc	gtg	gcg	gat	240
Arg	Arg	Arg	Val	Gly	Ala	Thr	Trp	Leu	Leu	His	Leu	Ala	Val	Ala	Asp	
65					70					75					80	
ttg	ctg	tgc	tgt	ttg	tct	ctg	ccc	atc	ctg	gca	gtg	ccc	att	gcc	cgt	288
Leu	Leu	Cys	Cys	Leu	Ser	Leu	Pro	Ile	Leu	Ala	Val	Pro	Ile	Ala	Arg	
				85					90					95		
gga	ggc	cac	tgg	ccg	tat	ggg	gca	gtg	ggc	tgt	cgg	gcg	ctg	ccc	tcc	336
Gly	Gly	His	Trp	Pro	Tyr	Gly	Ala	Val	Gly	Cys	Arg	Ala	Leu	Pro	Ser	
			100					105					110			
atc	atc	ctg	ctg	acc	atg	tat	gcc	agc	gtc	ctg	ctc	ctg	gca	gct	ctc	384
Ile	Ile	Leu	Leu	Thr	Met	Tyr	Ala	Ser	Val	Leu	Leu	Leu	Ala	Ala	Leu	
		115					120					125				
agt	gcc	gac	ctc	tgc	ttc	ctg	gct	ctc	ggg	cct	gcc	tgg	tgg	tct	acg	432
Ser	Ala	Asp	Leu	Cys	Phe	Leu	Ala	Leu	Gly	Pro	Ala	Trp	Trp	Ser	Thr	
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gtt	cag	cgg	gcg	tgc	ggg	gtg	cag	gtg	gcc	tgt	ggg	gca	gcc	tgg	aca	480
Val	Gln	Arg	Ala	Cys	Gly	Val	Gln	Val	Ala	Cys	Gly	Ala	Ala	Trp	Thr	
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ctg	gcc	ttg	ctg	ctc	acc	gtg	ccc	tcc	gcc	atc	tac	cgc	cgg	ctg	cac	528
Leu	Ala	Leu	Leu	Leu	Thr	Val	Pro	Ser	Ala	Ile	Tyr	Arg	Arg	Leu	His	
				165					170					175		
cag	gag	cac	ttc	cca	gcc	cgg	ctg	cag	tgt	gtg	gtg	gac	tac	ggc	ggc	576
Gln	Glu	His	Phe	Pro	Ala	Arg	Leu	Gln	Cys	Val	Val	Asp	Tyr	Gly	Gly	
			180					185					190			
tcc	tcc	agc	acc	gag	aat	gcg	gtg	act	gcc	atc	cgg	ttt	ctt	ttt	ggc	624
Ser	Ser	Ser	Thr	Glu	Asn	Ala	Val	Thr	Ala	Ile	Arg	Phe	Leu	Phe	Gly	
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Phe	Leu	Gly	Pro	Leu	Val	Ala	Val	Ala	Ser	Cys	His	Ser	Ala	Leu	Leu	
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Cys	Trp	Ala	Ala	Arg	Arg	Cys	Arg	Pro	Leu	Gly	Thr	Ala	Ile	Val	Val	
225					230					235					240	
ggg	ttt	ttt	gtc	tgc	tgg	gca	ccc	tac	cac	ctg	ctg	ggg	ctg	gtg	ctc	768
Gly	Phe	Phe	Val	Cys	Trp	Ala	Pro	Tyr	His	Leu	Leu	Gly	Leu	Val	Leu	
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act	gtg	gcg	gcc	ccg	aac	tcc	gca	ctc	ctg	gcc	agg	gcc	ctg	cgg	gct	816
Thr	Val	Ala	Ala	Pro	Asn	Ser	Ala	Leu	Leu	Ala	Arg	Ala	Leu	Arg	Ala	
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gaa	ccc	ctc	atc	gtg	ggc	ctt	gcc	ctc	gct	cac	agc	tgc	ctc	aat	ccc	864
Glu	Pro	Leu	Ile	Val	Gly	Leu	Ala	Leu	Ala	His	Ser	Cys	Leu	Asn	Pro	
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Met Leu Phe Leu Tyr Phe Gly Arg Ala Gln Leu Arg Arg Ser Leu Pro
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gct gcc tgt cac tgg gcc ctg agg gag tcc cag ggc cag gac gaa agt 960
Ala Ala Cys His Trp Ala Leu Arg Glu Ser Gln Gly Gln Asp Glu Ser
  305                310                315                320

gtg gac agc aag aaa tcc acc agc cat gac ctg gtc tcg gag atg gag 1008
Val Asp Ser Lys Lys Ser Thr Ser His Asp Leu Val Ser Glu Met Glu
          325                330                335

gtg tag 1014
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<210> 2
<211> 337
<212> PRT
<213> Homo sapiens

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          20          25          30

Pro Leu Arg Val Ala Pro Leu Pro Leu Tyr Ala Ala Ile Phe Leu Val
          35          40          45

Gly Val Pro Gly Asn Ala Met Val Ala Trp Val Ala Gly Lys Val Ala
          50          55          60

Arg Arg Arg Val Gly Ala Thr Trp Leu Leu His Leu Ala Val Ala Asp
          65          70          75          80

Leu Leu Cys Cys Leu Ser Leu Pro Ile Leu Ala Val Pro Ile Ala Arg
          85          90          95

Gly Gly His Trp Pro Tyr Gly Ala Val Gly Cys Arg Ala Leu Pro Ser
          100          105          110

Ile Ile Leu Leu Thr Met Tyr Ala Ser Val Leu Leu Leu Ala Ala Leu
          115          120          125

Ser Ala Asp Leu Cys Phe Leu Ala Leu Gly Pro Ala Trp Trp Ser Thr
          130          135          140

Val Gln Arg Ala Cys Gly Val Gln Val Ala Cys Gly Ala Ala Trp Thr
          145          150          155          160

Leu Ala Leu Leu Leu Thr Val Pro Ser Ala Ile Tyr Arg Arg Leu His
          165          170          175

Gln Glu His Phe Pro Ala Arg Leu Gln Cys Val Val Asp Tyr Gly Gly
          180          185          190

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Ser Ser Ser Thr Glu Asn Ala Val Thr Ala Ile Arg Phe Leu Phe Gly
 195 200 205
 Phe Leu Gly Pro Leu Val Ala Val Ala Ser Cys His Ser Ala Leu Leu
 210 215 220
 Cys Trp Ala Ala Arg Arg Cys Arg Pro Leu Gly Thr Ala Ile Val Val
 225 230 235 240
 Gly Phe Phe Val Cys Trp Ala Pro Tyr His Leu Leu Gly Leu Val Leu
 245 250 255
 Thr Val Ala Ala Pro Asn Ser Ala Leu Leu Ala Arg Ala Leu Arg Ala
 260 265 270
 Glu Pro Leu Ile Val Gly Leu Ala Leu Ala His Ser Cys Leu Asn Pro
 275 280 285
 Met Leu Phe Leu Tyr Phe Gly Arg Ala Gln Leu Arg Arg Ser Leu Pro
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 Ala Ala Cys His Trp Ala Leu Arg Glu Ser Gln Gly Gln Asp Glu Ser
 305 310 315 320
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 325 330 335
 Val

<210> 3
 <211> 1287
 <212> DNA
 <213> Homo sapiens

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 cggaccgccc tgtggactgc ctggatggcg cctgcctggc catcgaccg ctgcgcgtgg 180
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<210> 4

<211> 1287

<212> DNA

<213> Homo sapiens

<400> 4

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acaccacaaa tgtctctcca gcctacacct ccattctccg gaccagggtc tggctgggtg 240
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<210> 5

<211> 30

<212> DNA

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<221> modified_base

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<223> i

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<222> (22)

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<210> 6
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 7-pass transmembrane receptor proteins which are considered to
 participate in the proliferation of melanoma

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 <223> a, g, c or t

<220>
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<400> 6
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33

<210> 7
 <211> 32
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic primer used for constructing the recombinant DNA
 containing C5L2 gene; primer has a seq obtained by adding spacer
 gggg and HindIII site aagctt to the 5 prime-end of a 22-nucleotide
 seq corresponding to the 1st (a) to 22nd (t) of SEQ ID NO:1

<400> 7
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32

<210> 8
 <211> 30

<212> DNA
 <213> Artificial Sequence

<220>

<223> Synthetic primer used for constructing the recombinant DNA containing C5L2 gene; primer has a seq obtained by adding spacer ggga and SacII site ccgcgg to the 5 prime-end of a 20-nucleotide seq corresponding to the 206th (c) to 225th (a) of SEQ ID NO:4

<400> 8
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<210> 9
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 <212> DNA
 <213> Artificial Sequence

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<223> Synthetic primer used in RT-PCR performed for amplifying C5L2 gene

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26

<210> 10
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 <212> DNA
 <213> Artificial Sequence

<220>

<223> Synthetic primer used in RT-PCR performed for amplifying C5L2 gene

<400> 10
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25

<210> 11
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Synthetic primer used in RT-PCR performed for amplifying G3PDH (glyceraldehyde 3-phosphate dehydrogenase) gene

<400> 11
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26

<210> 12
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Synthetic primer used in RT-PCR performed for amplifying G3PDH
(glyceraldehyde 3-phosphate dehydrogenase) gene

<400> 12

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24

<210> 13

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
peptide tag

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<210> 14

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
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10

<210> 15

<211> 12

<212> PRT

<213> Artificial Sequence

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peptide tag

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5

10

<210> 16

<211> 15

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide tag

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<210> 17

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide tag

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<210> 18

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide tag

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1 5

<210> 19

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide tag

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